

# ENGINEERING BUILDING OVAL



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# Engineering Building Oval

## Significance to State of North Carolina

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### **Impact on NC's Economic Growth**

- Ranked in top 10% of engineering schools
- Fuels NC's high-tech growth
- Conducts leading-edge research in engineering disciplines and societal need
- Creates significant new jobs
- Extends resources to NC businesses

# Engineering Building Oval

## Significance to NC State University

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### **Investment Needed to Remain Competitive**

- To meet economic growth and industry demands of NC
- To keep up with demand (Since 2008, enrollment growth averaged 17.3%)
- To keep NC competitive nationally



# Engineering Building Oval

## Unifying the College of Engineering





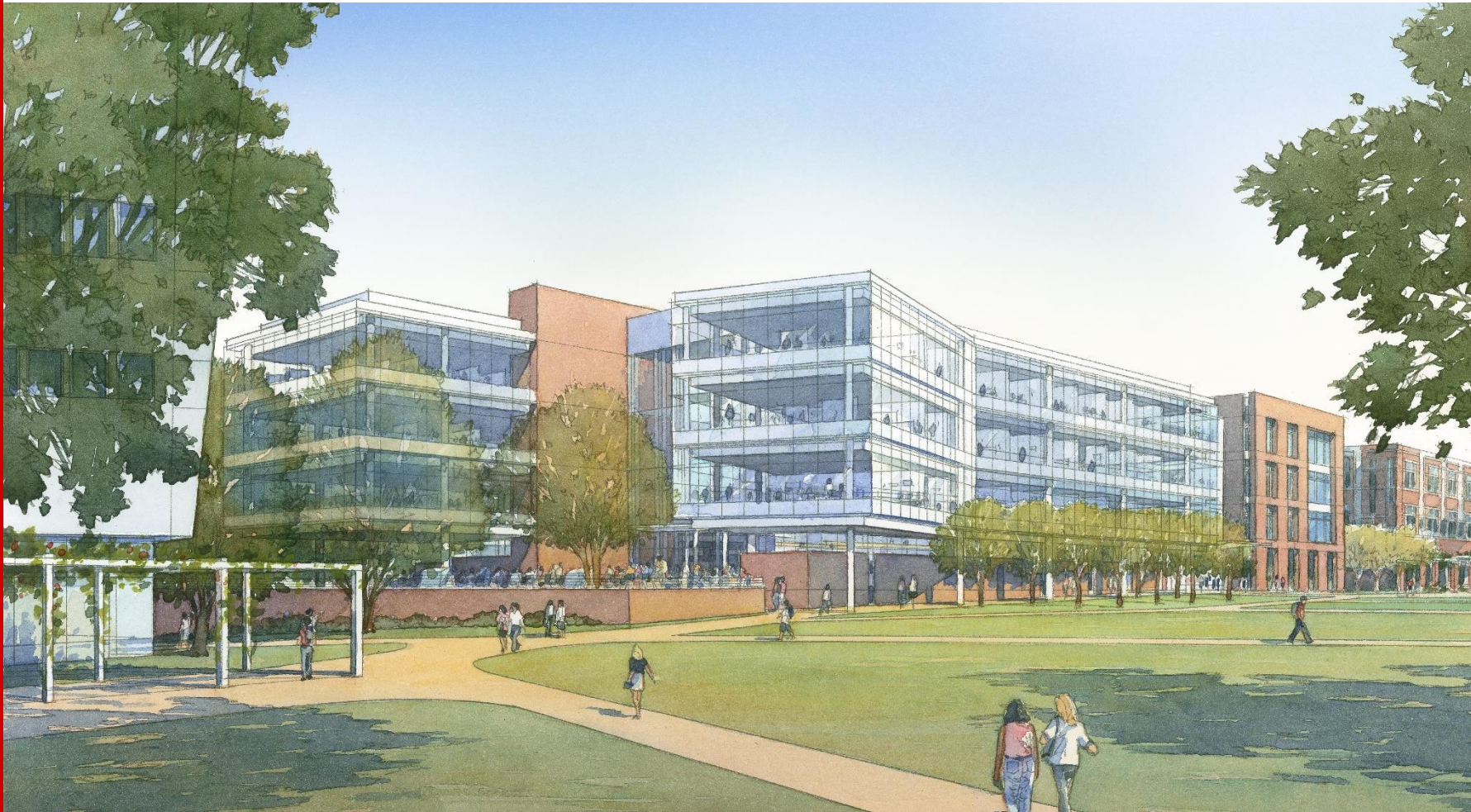
# Engineering Building Oval Centennial Campus Site





# Engineering Building Oval Project Description

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227,000 GSF building (136,000 ASF)

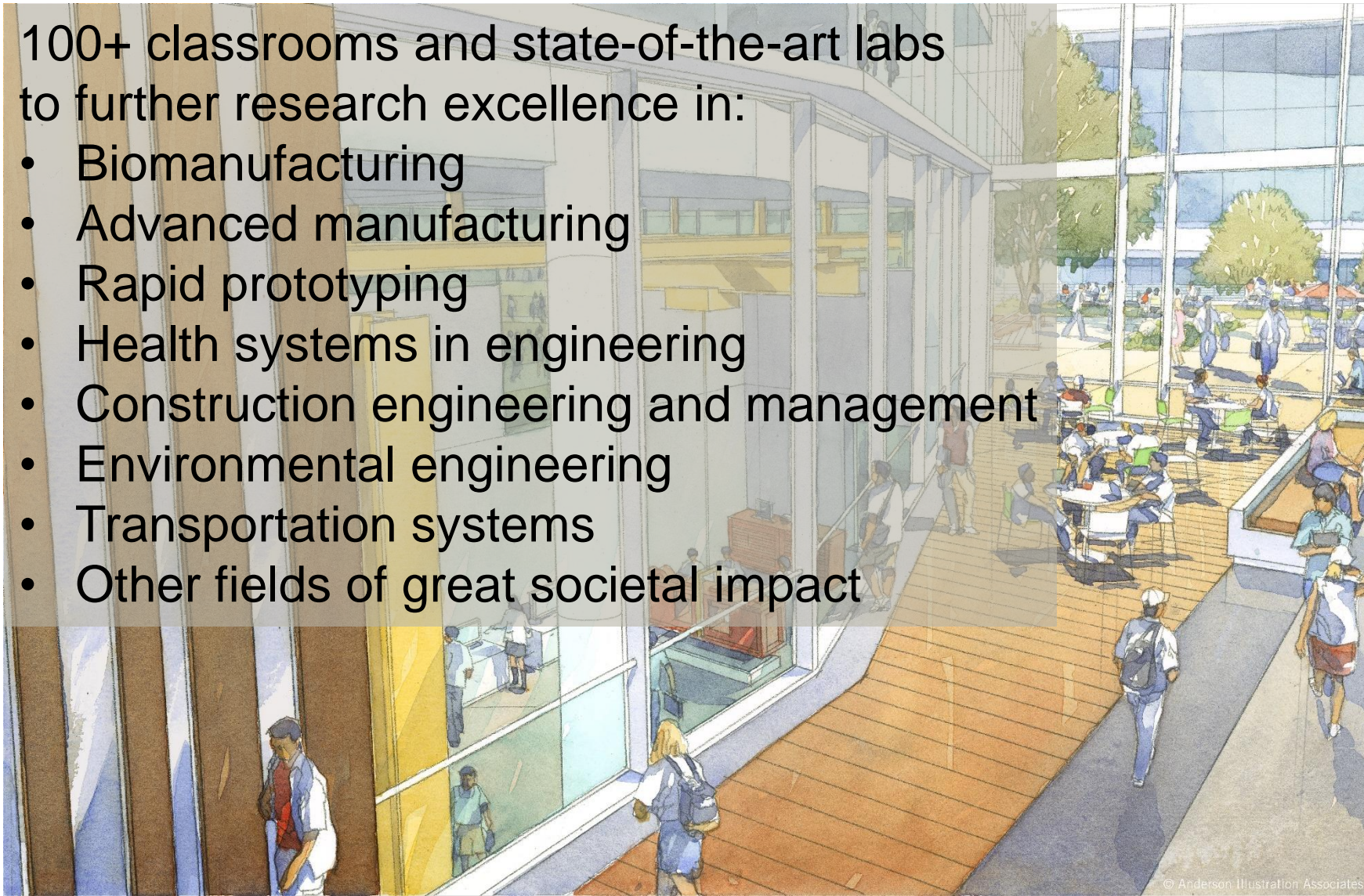


# Engineering Building Oval

## Project Description

100+ classrooms and state-of-the-art labs to further research excellence in:

- Biomanufacturing
- Advanced manufacturing
- Rapid prototyping
- Health systems in engineering
- Construction engineering and management
- Environmental engineering
- Transportation systems
- Other fields of great societal impact



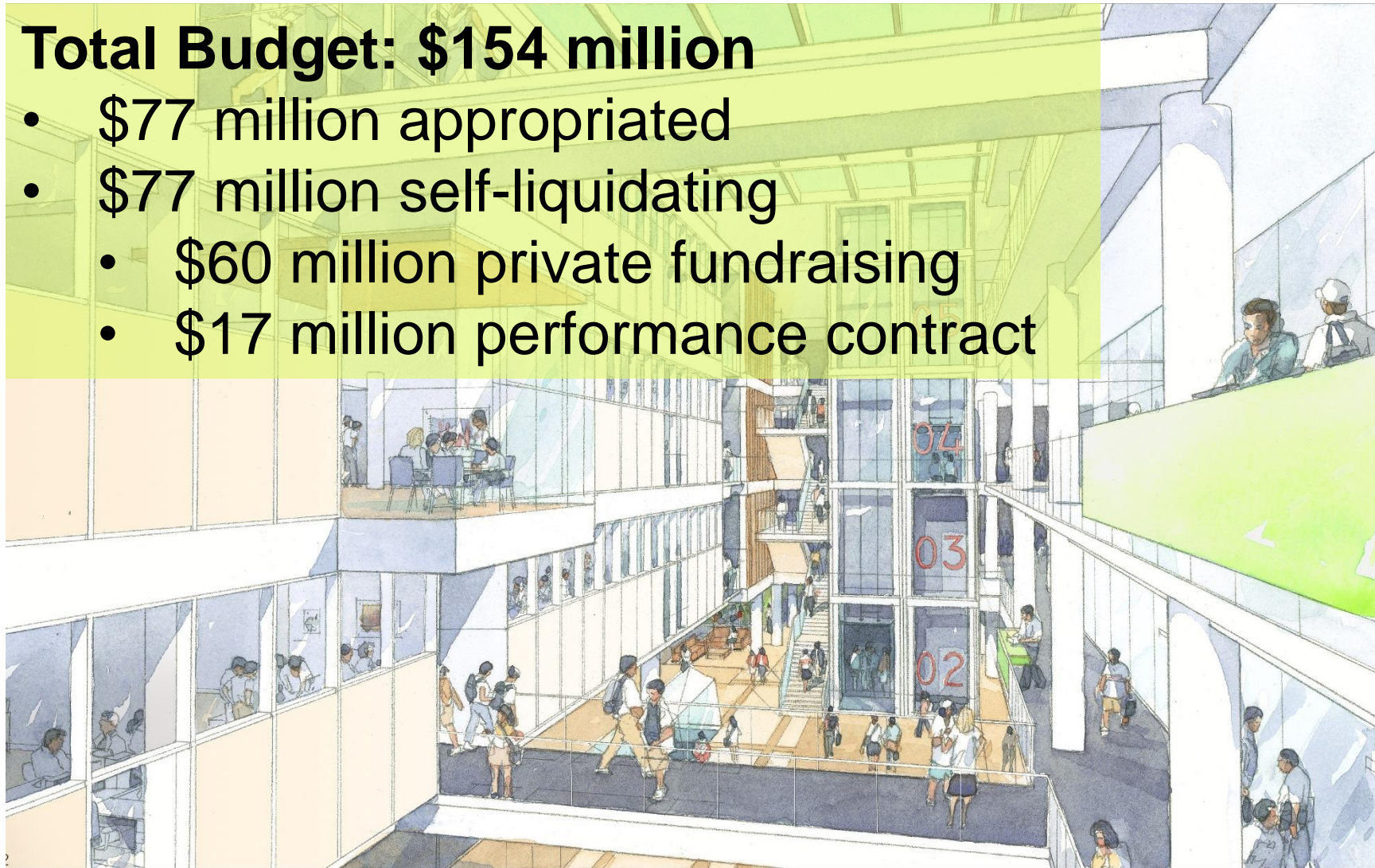


# Engineering Building Oval

## Project Description

### Total Budget: \$154 million

- \$77 million appropriated
- \$77 million self-liquidating
  - \$60 million private fundraising
  - \$17 million performance contract





# Engineering Building Oval

## Estimated Project Cost Breakdown

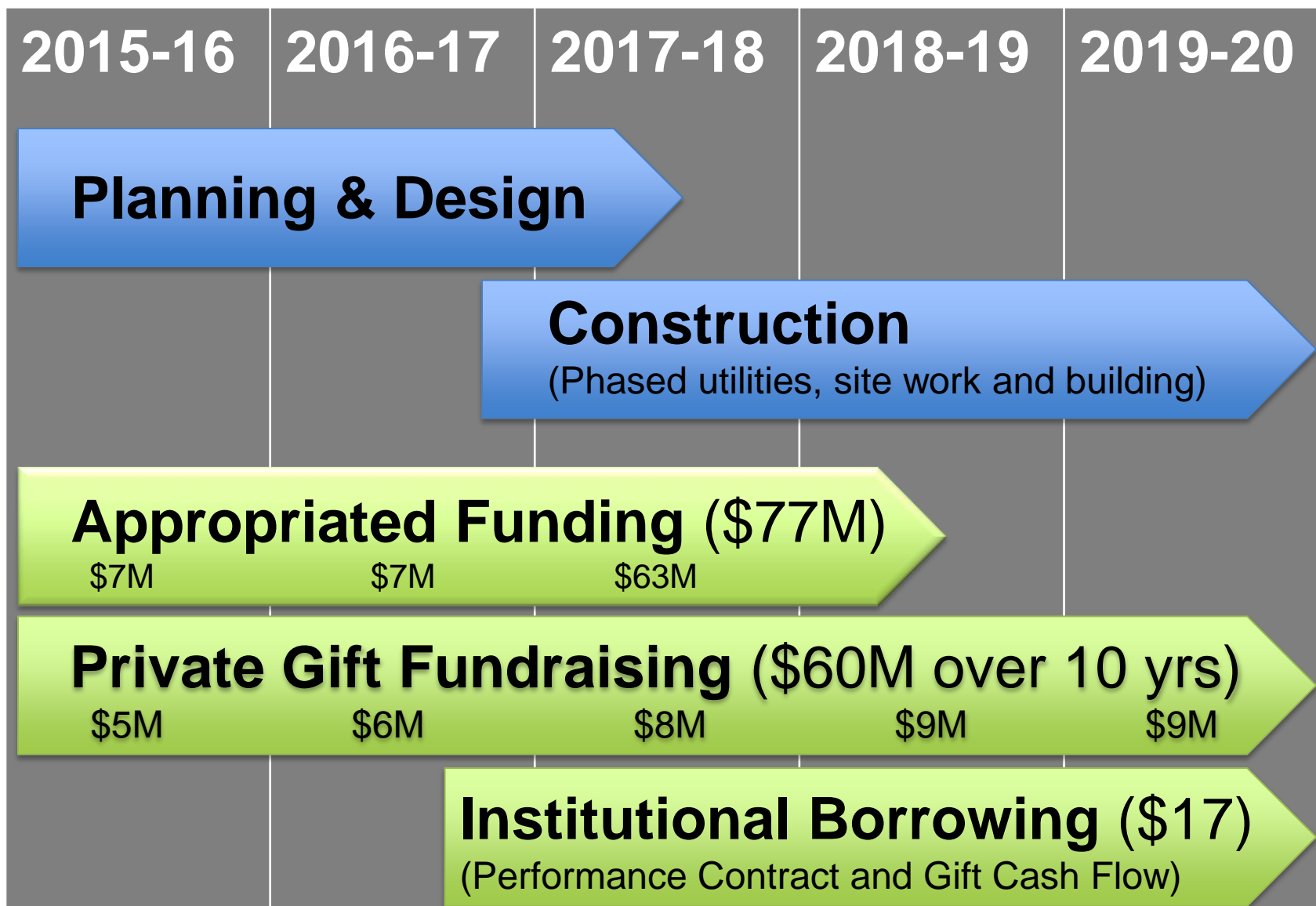
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<b>Building Construction Costs</b>	<b>\$70,317,211</b>
<b>Associated Construction Costs</b>	<b>\$29,237,831</b>
<i>Includes parking, utilities, inspections, etc.</i>	
<b>Design/Consultant Costs</b>	<b>\$11,905,176</b>
<i>Includes design fees, energy modeling, site analysis, commissioning, etc.</i>	
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<b>Sub-Total:</b>	<b>\$111,460,218</b>
<b>Utility Plant Capacity</b>	<b>\$17,000,000</b>
<b>Contingencies</b>	<b>\$2,986,651</b>
<b>Escalation</b>	<b>\$22,553,131</b>
<i>(60 months to construction mid-point)</i>	
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<b>Total:</b>	<b>\$154,000,000</b>



# Engineering Building Oval

## Estimated Project Funding Timeframe





# ENGINEERING BUILDING OVAL

## Questions?



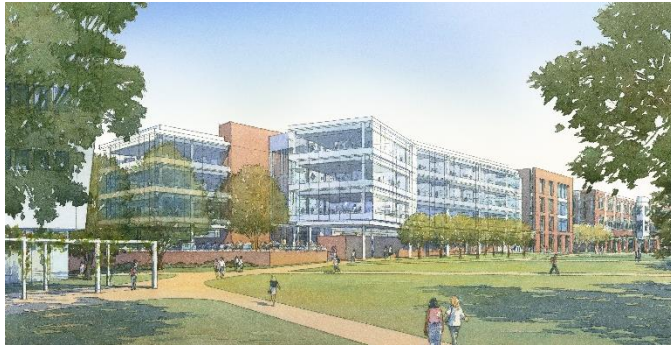
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# Engineering Building Oval

## Project Cost per Gross SF (2015 Dollars)

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EB Oval  
\$474/GSF



Talley Student Union  
\$443/GSF



Hunt Library  
\$469/GSF

Note: Excludes Infrastructure and parking